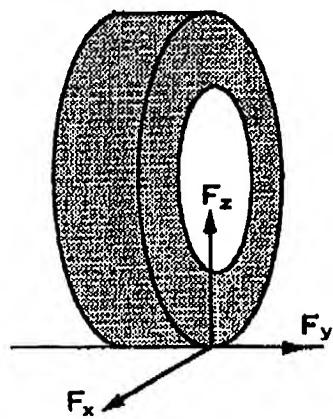FIG.1   as annexed

FRICTION   CIRCLE $(\mu_x = \mu_y)$

accerelating force
$F_x = \mu_x F_z$

left hand
cornering

right hand
cornering

$F_y = \mu_y F_z$

braking force